

COMPACT DISC PLAYER

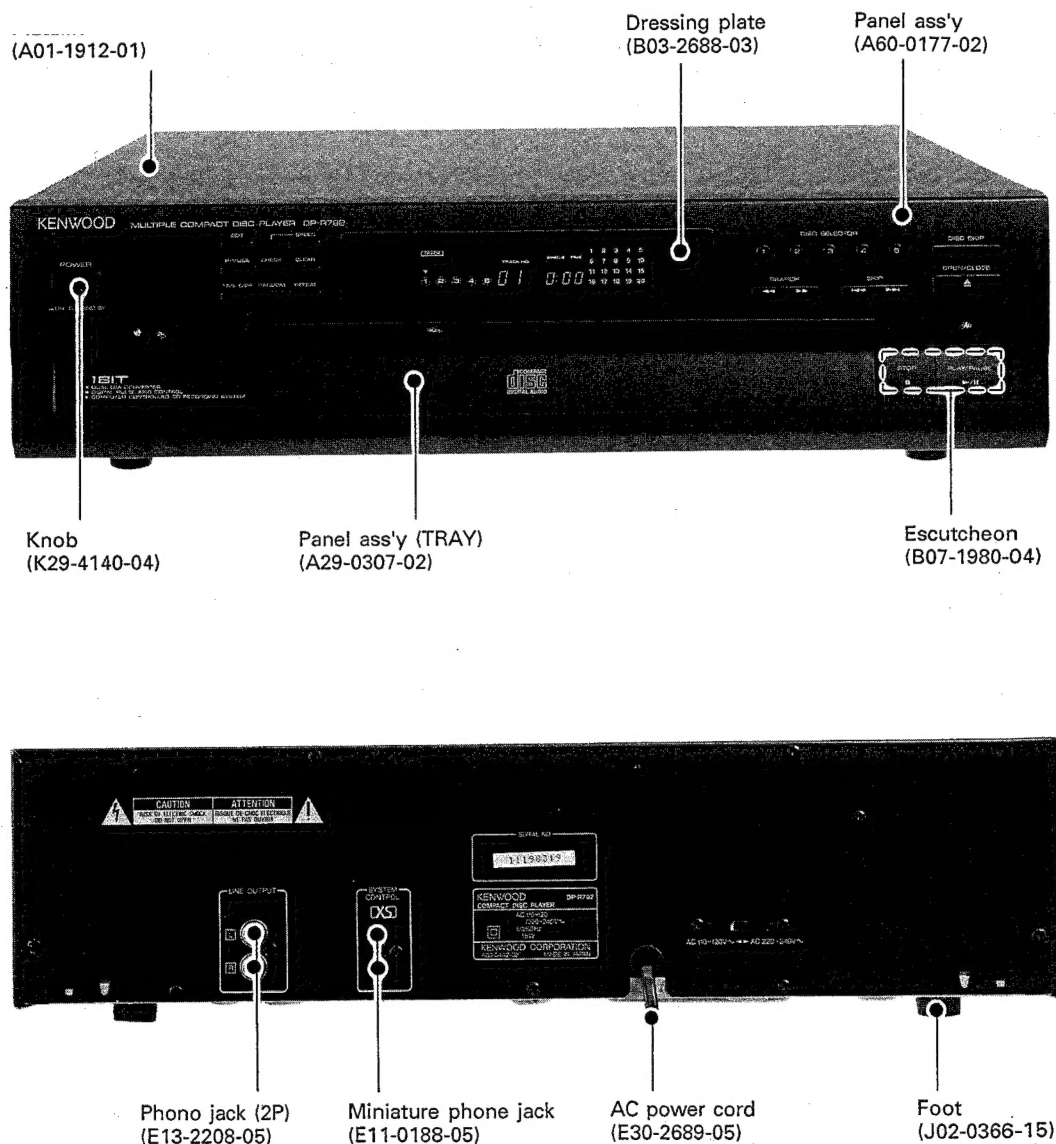
DP-R792/R892/R4440

SERVICE MANUAL

U.S.A. Use only

KENWOOD

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B51-4462-00 (O) 2365



In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

**DANGER : Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**

Photo is DP-R792.

DP-R792/R892/R4440

CONTENTS/ACCESSORIES/CAUTION

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CIRCUIT DESCRIPTION

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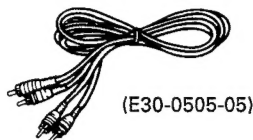
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SPECIFICATIONS	BACK COVER

* Refer to DP-M991/ M6630 / M7730 service manual (B51-4281-00) and DP-7030 (B51-4244-00) if need circuit description CXA1571, TC9237, (DP-M serie) CXA1372Q, CXD2500Q (DP-7030).

ACCESSORIES

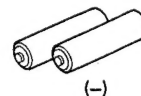
• Audio cord



• System control cord

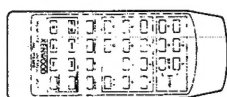


• Batteries (R6 / AA)



• Remote control unit

(DP-R4440 ONLY)



CAUTION

• Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Turn the power OFF.

• Caution of the service manual

This manual is available for U.S.A. models, DP-R792, DP-R892 and DP-R4440. Before using this manual, please check model's name. Control pcb ass'y (X32) parts list is written the parts for all of 3 models. Also refer to comparison table in schematic diagram.

TRACK					1 2 3 4 5				
TRACK NO.					6 7 8 9 10				
1	2	3	4	5	no-d 1 5C				
					11 12 13 14 15				
					16 17 18 19 20				

Model name	Control pcb	Mechanism
DP-R792	X32-1900-12 (K,P)	X92-1610-10
DP-R892	X32-1900-11 (K,P)	X92-1610-10
DP-R4440	X32-1900-10 (K,P)	X92-1610-10

DP-R792/R892/R4440

EXTERNAL VIEW

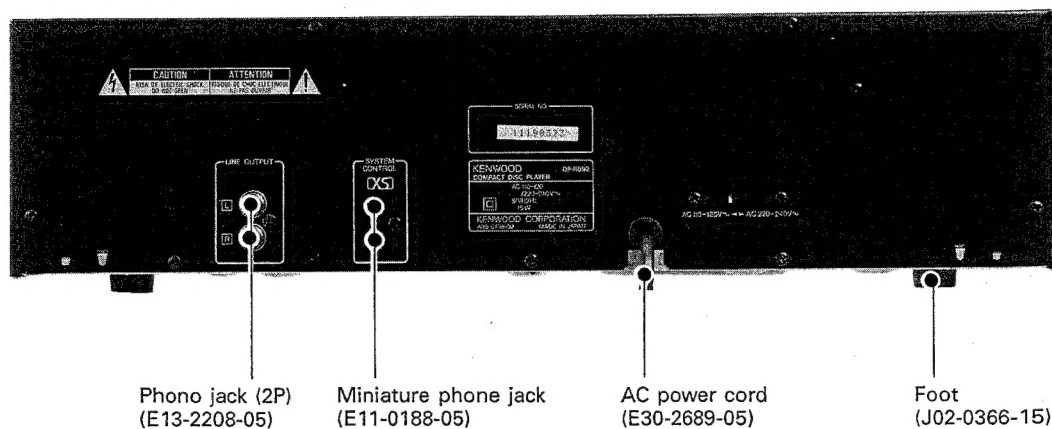
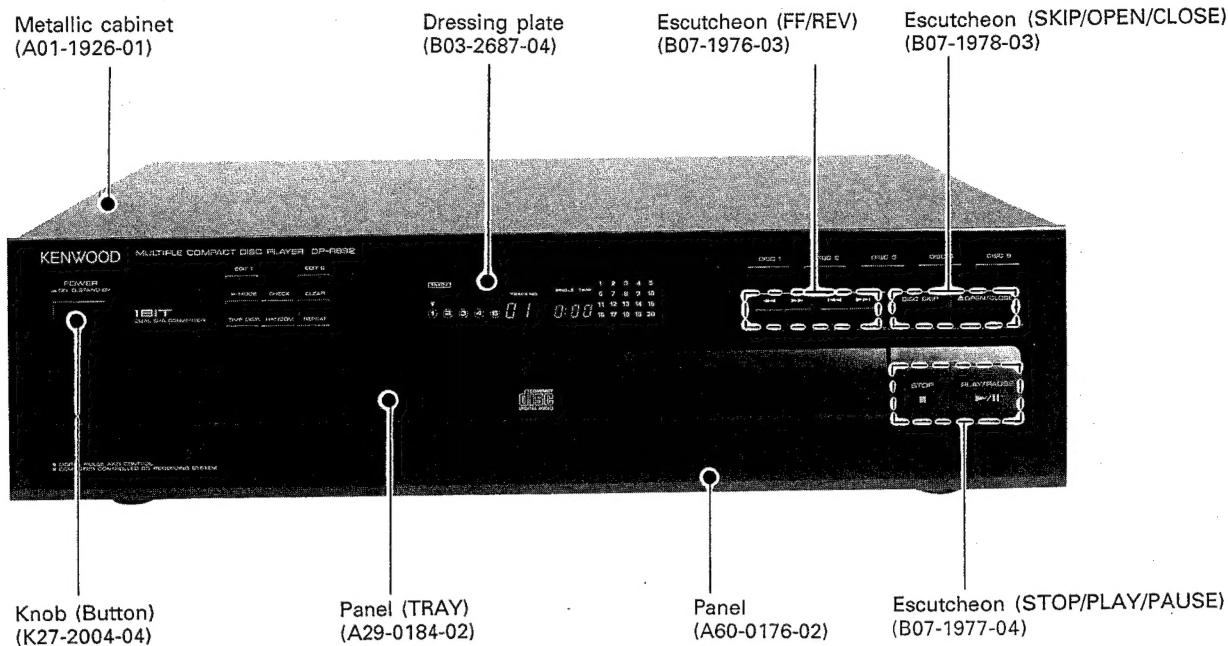


Photo is DP-R892.

DP-R792/R892/R4440

EXTERNAL VIEW

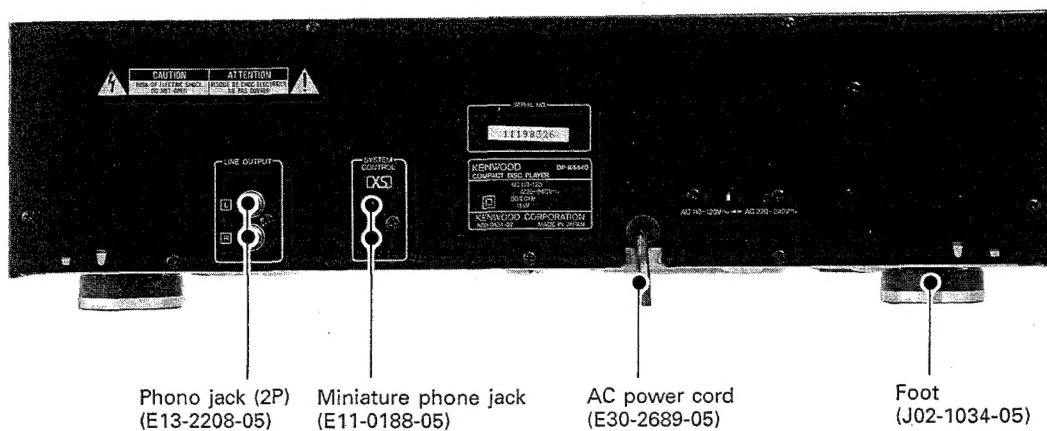
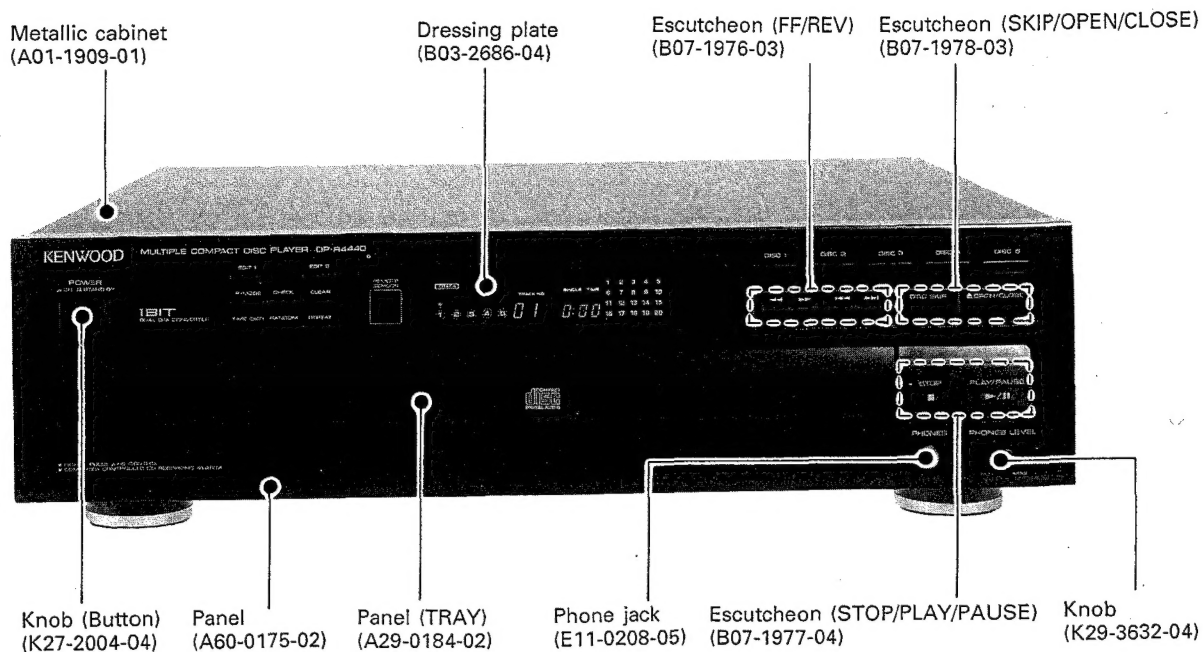


Photo is DP-R4440.

DP-R792/R892/R4440

CONTROLS

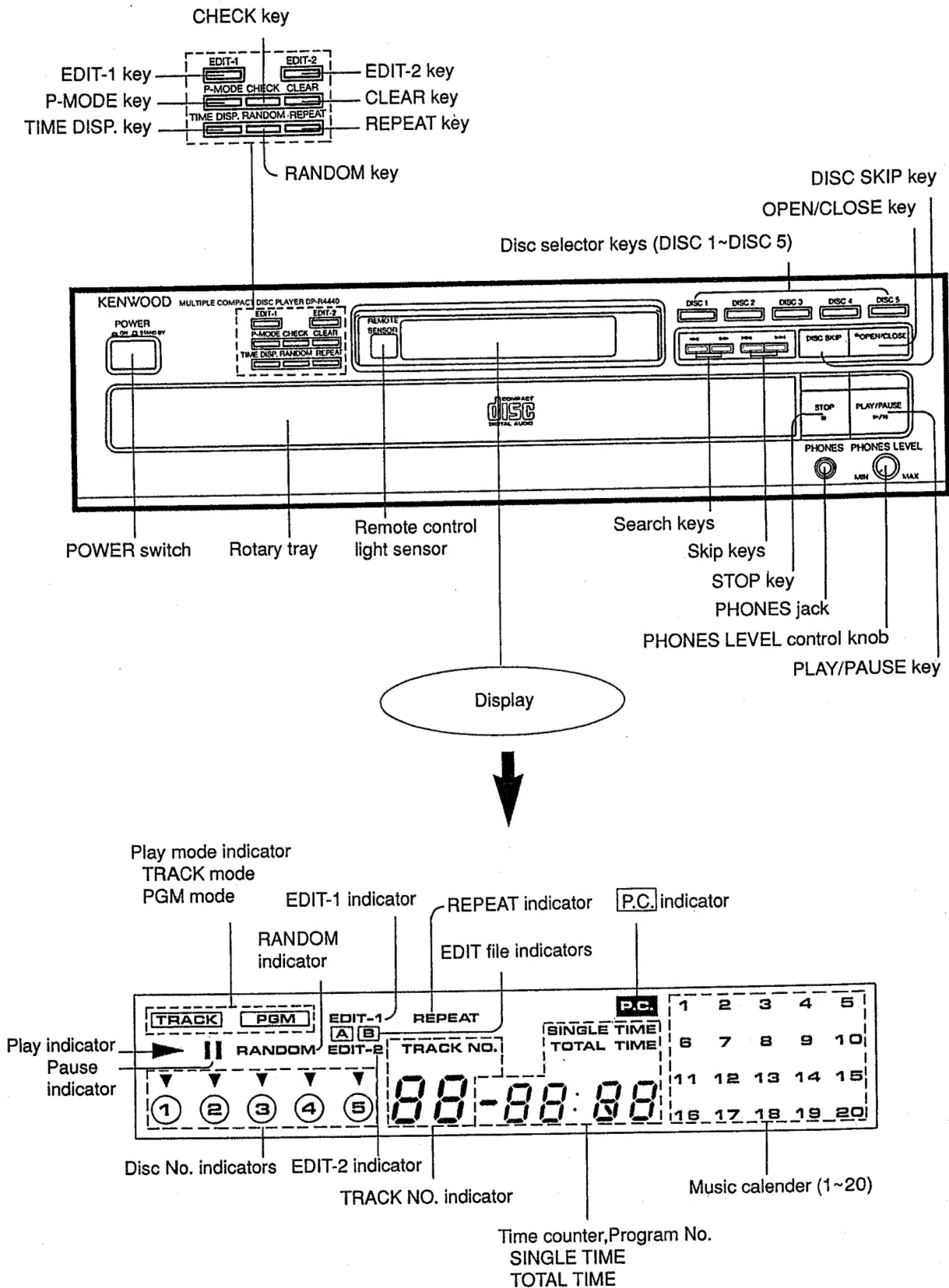


Fig. is DP-R4440.

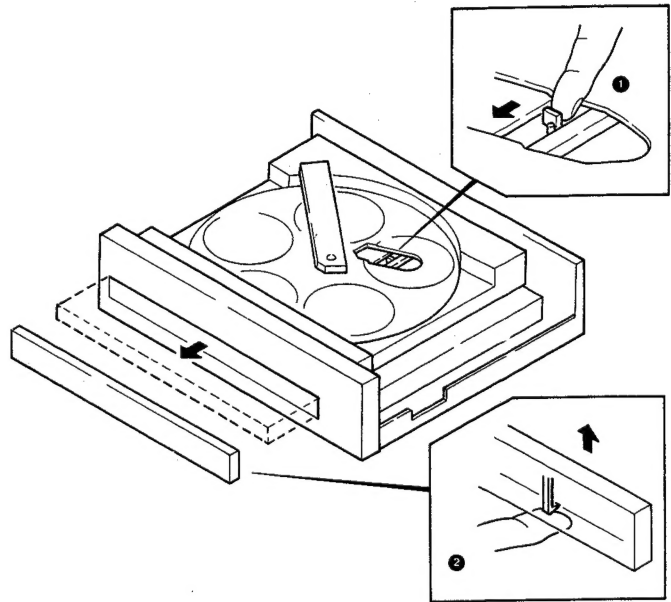
DP-R792/R892/R4440

DISASSEMBLY FOR REPAIR

* Remove the metallic cabinet before the following procedure.

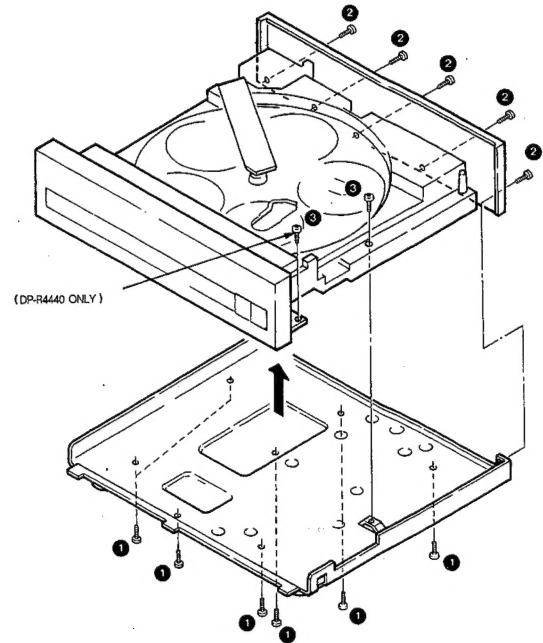
1. How To Remove the Tray and Tray panel

1. Slide the lever frontwards (❶) until the tray comes out.
2. Pull the tray out fully.
3. Remove the tray panel upwards (❷).



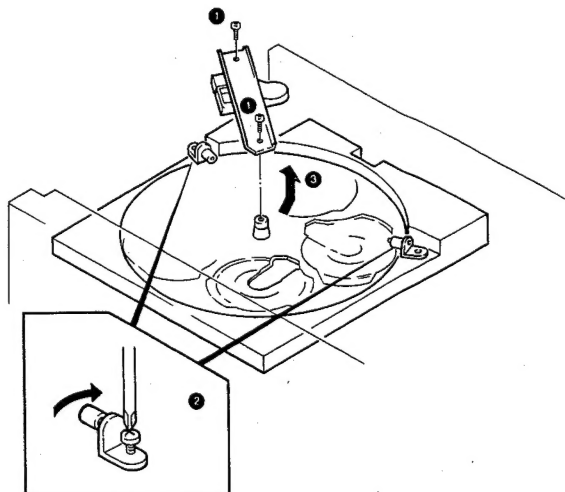
2. How To Remove the Bottom Plate

Remove bottom plate screws (❶), rear panel screws (❷) and chassis screws (❸).



3. How to Remove Rotary Tray

1. Remove clumper screws (❶).
2. Loosen roller screws (❷) and turn them to free the tray.
3. Remove the rotary tray upwards (❸).



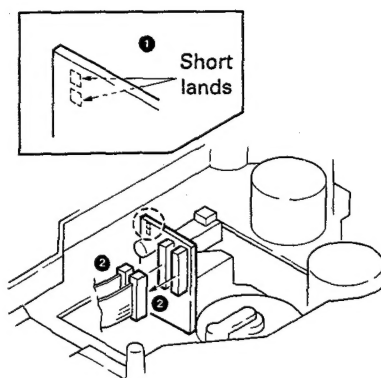
DP-R792/R892/R4440

DISASSEMBLY FOR REPAIR

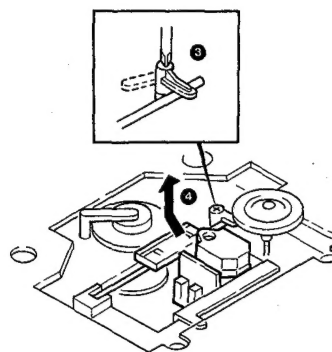
4. How to Replace Pickup

* Remove the rotary tray before the following procedures.

1. Short the short lands (①).
2. Remove 2 connectors (②).

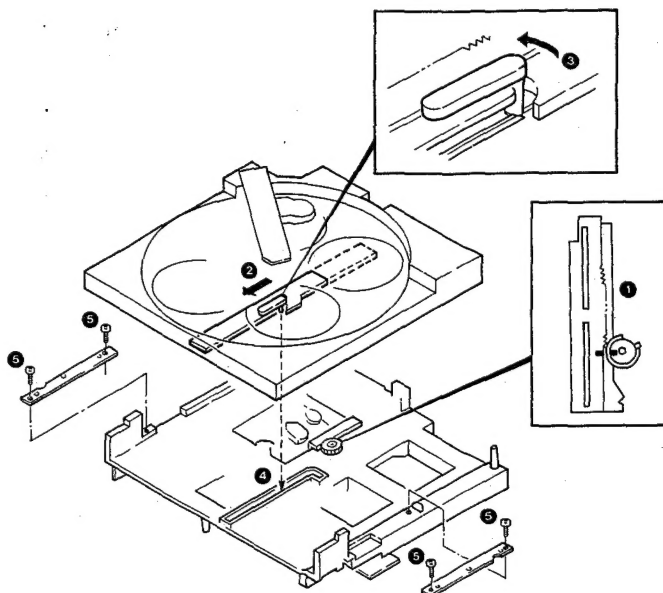


3. Turn the stopper (③).
4. Remove the pickup upwards (④).



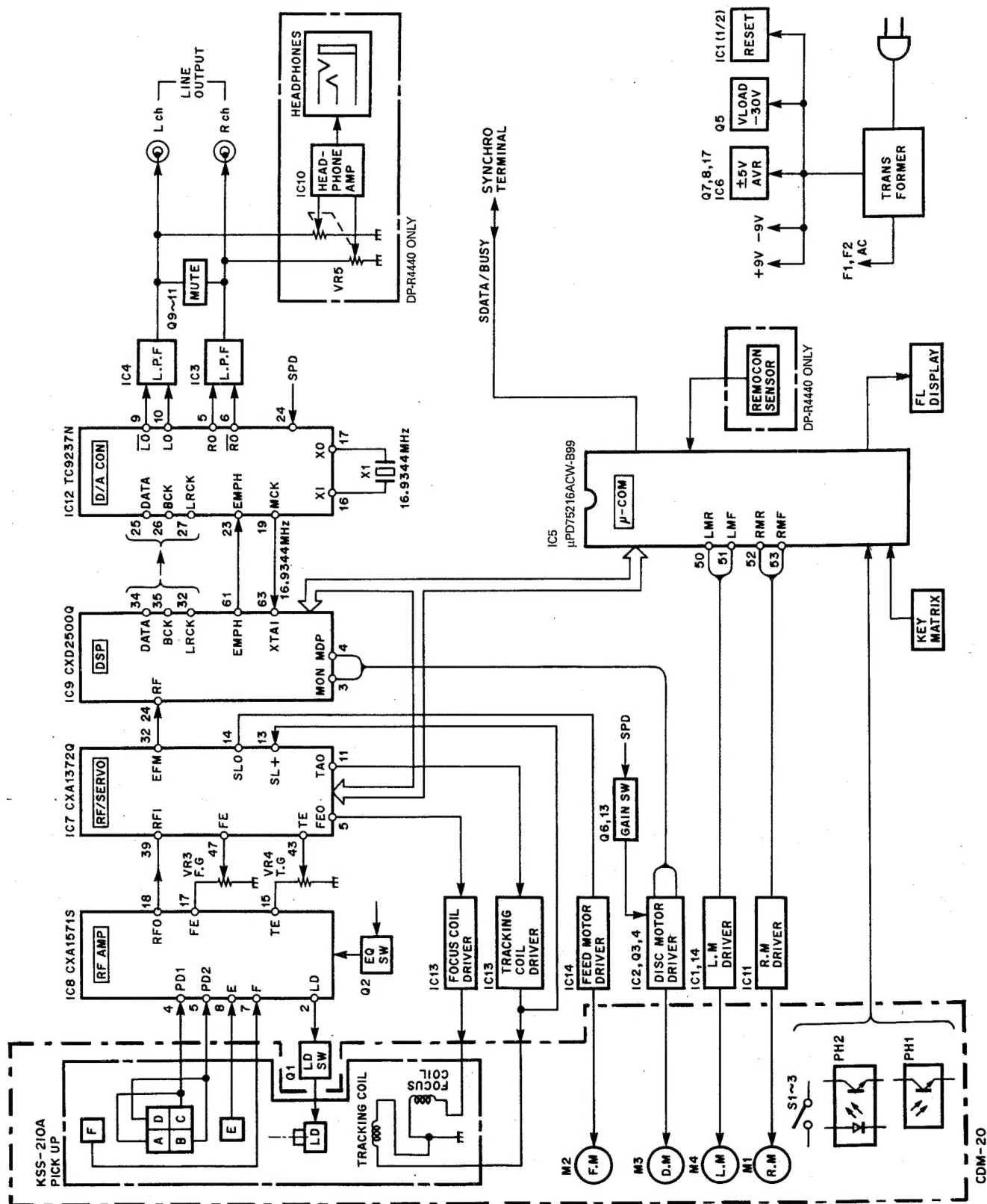
5. How to Mount Rotary Tray

1. Check the pickup mechanism is at down position and meet the mark of the gear to the boss of the pickup mechanism up/down gear (①).
2. Move the slide gear frontwards (②) and fix the lock lever to slide gear (③).
3. Insert the lock lever pin to the groove of the chassis (④).
4. Fix the hardware with screws (⑤).



DP-R792/R892/R4440

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. TEST MODE

• Setting the test mode

The microprocessor built in the unit can be put to TEST MODE by just short-circuiting the TEST pin #5 and #6 when set to power ON.

DP-R792/R892/R4440 is available to set to each test mode by UP key or DOWN key as follows.

1-1. Key and functions valid in test mode

STEP	Description	Track No. display
1	STOP MODE after setting TEST MODE	TRACK NO. 01
2	Turn Rotary-tray with opening it, and shows time of tray-open.	TRACK NO. 02
3	Turn Rotary-tray with closing it, and shows time of tray-close.	TRACK NO. 03
4	(1) Focus servo ON. (2) Tracking servo ON. (3) Feed servo ON.	TRACK NO. 04 ↓ ▶ Time lights
5	(1) Tracking OFF. (2) Focus servo ON. (3) Tracking servo OFF. (4) Feed servo OFF.	TRACK NO. 05 lights
6	Same step "4".	TRACK NO. 06 ↓ ▶ time lights
7	Confirm position of start limit switch, shows time of setting it to on.	TRACK NO. 07
8	Set it to program mode, playback Tracking No. 7, 8 and 6 (High-speed).	

DP-R792/R892/R4440

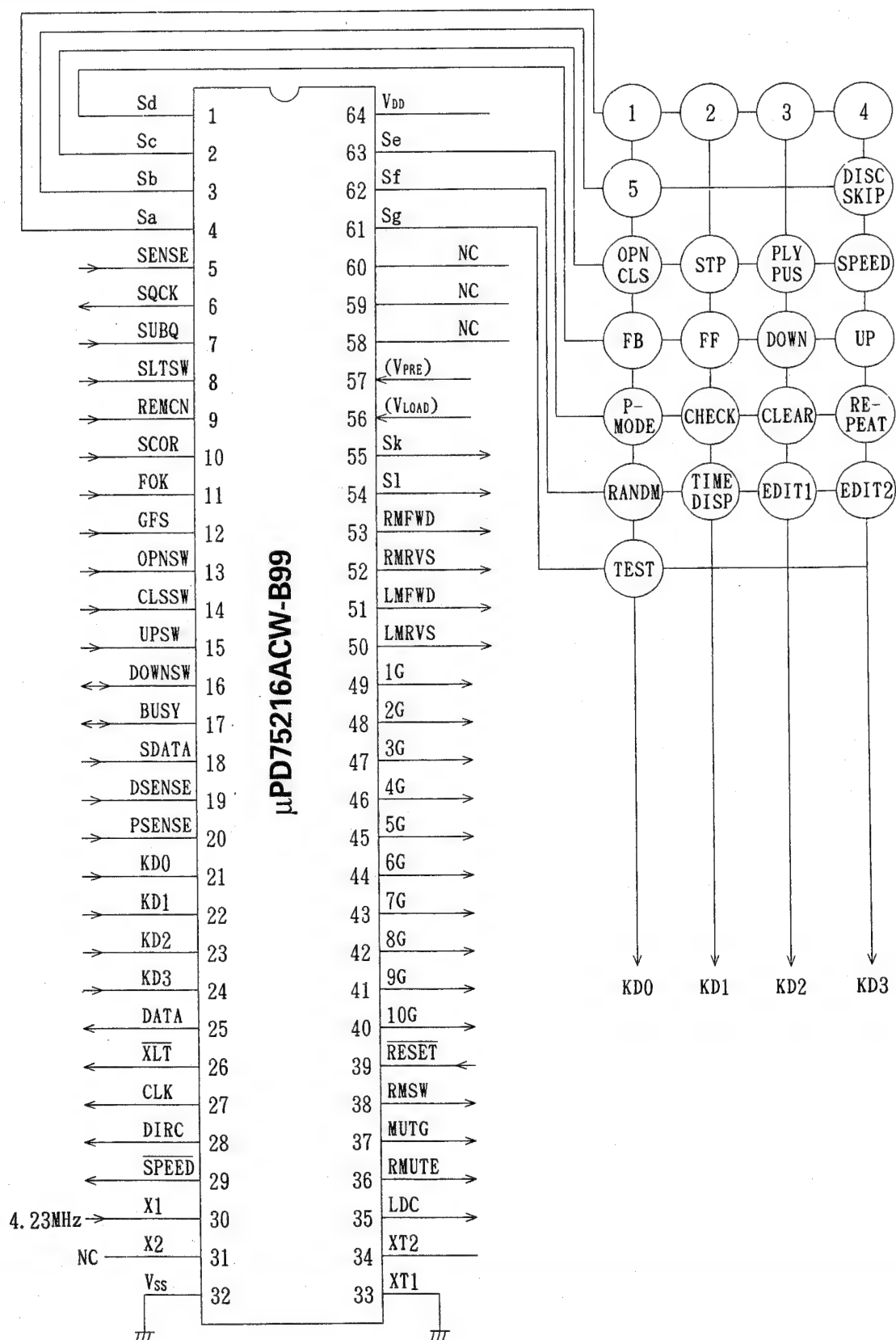
CIRCUIT DESCRIPTION

No.	Input key	Function	Track No. display
1	PLAY	(1) Focusing servo ON. (2) Tracking servo ON. (3) Feed servo ON.	TRACK NO. 04 ▶ (PLAY) lights.
2	CHECK	(1) Focusing servo ON. (2) Tracking servo OFF. (3) Feed servo OFF.	TRACK NO. 05 () Pause lights.
3	STOP	In STOP mode. Disc is loaded.	TRACK NO. 01
4	▶▶ (UP)	Change TEST mode (UP).	
5	◀◀ (DOWN)	Change TEST mode (DOWN).	
6	▶▶	In the PLAYBACK mode, jumps the pickup outwards (16 tracks). In the STOP mode, the pickup slightly outwards.	
7	◀◀	In the PLAYBACK mode, jumps the pickup inwards (16 tracks). In the STOP mode, the pickup slightly inwards.	
8	OPEN/CLOSE	When the tray is opened then track No. 7, 8 and 6 (High-speed) are programmed and playback. TEST mode is canceled.	
9	DISC SKIP	In SKIP mode.	
10	P-MODE	Track No. 7, 8 and 6 (High-speed) are programmed and playbaced. TEST mode is canceled when pressing it again after playback.	
11	REPEAT	The tray OPEN / CLOSE operation is available without canceling TEST mode.	
12	TIME DISP	Turn ON / OFF the FL display.	
14	SPEED*	Set the port condition to High-speed mode, and set it to normal speed when pressing SPEED key again.	
15	DISC SELECTOR	Shows time of tray-rotation. (1) Clockwise a turn time. (2) Counterclockwise a turn time.	

*DP-R792 only

CIRCUIT DESCRIPTION

2-1. Terminal connection diagram



DP-R792/R892/R4440

CIRCUIT DESCRIPTION

2-2. Explanation of terminals (μPD75216ACW-B99)

Pin No.	Pin name	I/O	Function
1 ~ 4	Sd-a	O	Segment (d ~ a)
5	SENSE	I	Signal detection terminal for SENSE signal from Digital Signal Processor
6	SQCK	O	Clock output of Q data input
7	SUBQ	I	Q data input
8	SLTSW	I	Start limit switch for pickup
9	REMCN	I	Remote control input
10	SCOR	I	SCOR input of Q data
11	FOK	I	Focus OK signal input
12	GFS	I	Spindle lock
13	OPNSW	I	Tray open switch
14	CLSSW	I	Tray close switch
15	UPSW	I	Mechanism-up switch
16	DOWNSW	I	Mechanism-down switch
17	BUSY	I/O	System control signal (BUSY)
18	SDATA	I/O	System control signal (DATA)
19	DSENSE	I	Disc sensor
20	PSENSE	I	Disc position sensor
21 ~ 24	KD0 ~ 3	I	Key input (0bit ~ 3bit)
25	DATA	O	Data signal to signal processor
26	XLT	O	XLT signal to signal processor
27	CLK	O	Clock signal to signal processor
28	DIRC	O	Control signal for jump brake
29	SPEED	O	Double-speed playback control (H : NORMAL / L : DOUBLE)
30	X1	I	Clock input (4.23MHz)
31	X2	I	Non-connection
32	Vss	-	Ground
33,34	XT1,2	I	Non-connection
35	LDC	O	Laser on
36	RMUTE	O	Analog mute
37	MUTG	O	Digital mute
38	RMSW	O	Rotary tray motor speed-down
39	RESET	I	Reset signal input
40 ~ 49	10G ~ 1G	O	Display grid (10G ~ 1G)
50	LMRVS	O	Tray motor 1
51	LMFWD	O	Tray motor 2
52	RMRVS	O	Rotary motor 1
53	RMFWD	O	Rotary motor 2
54,55	SI,k	O	Non-connection
56	VLOAD	I	VLOAD input (-30V)
57	VPRE	I	VPRE input (-5V)
58 ~ 60	Sh ~ j	O	Non-connection
61 ~ 63	Se ~ g	O	Display segments (e ~ g)
64	VDD	-	Power supply (+5V)

MECHANISM OPERATION DESCRIPTION

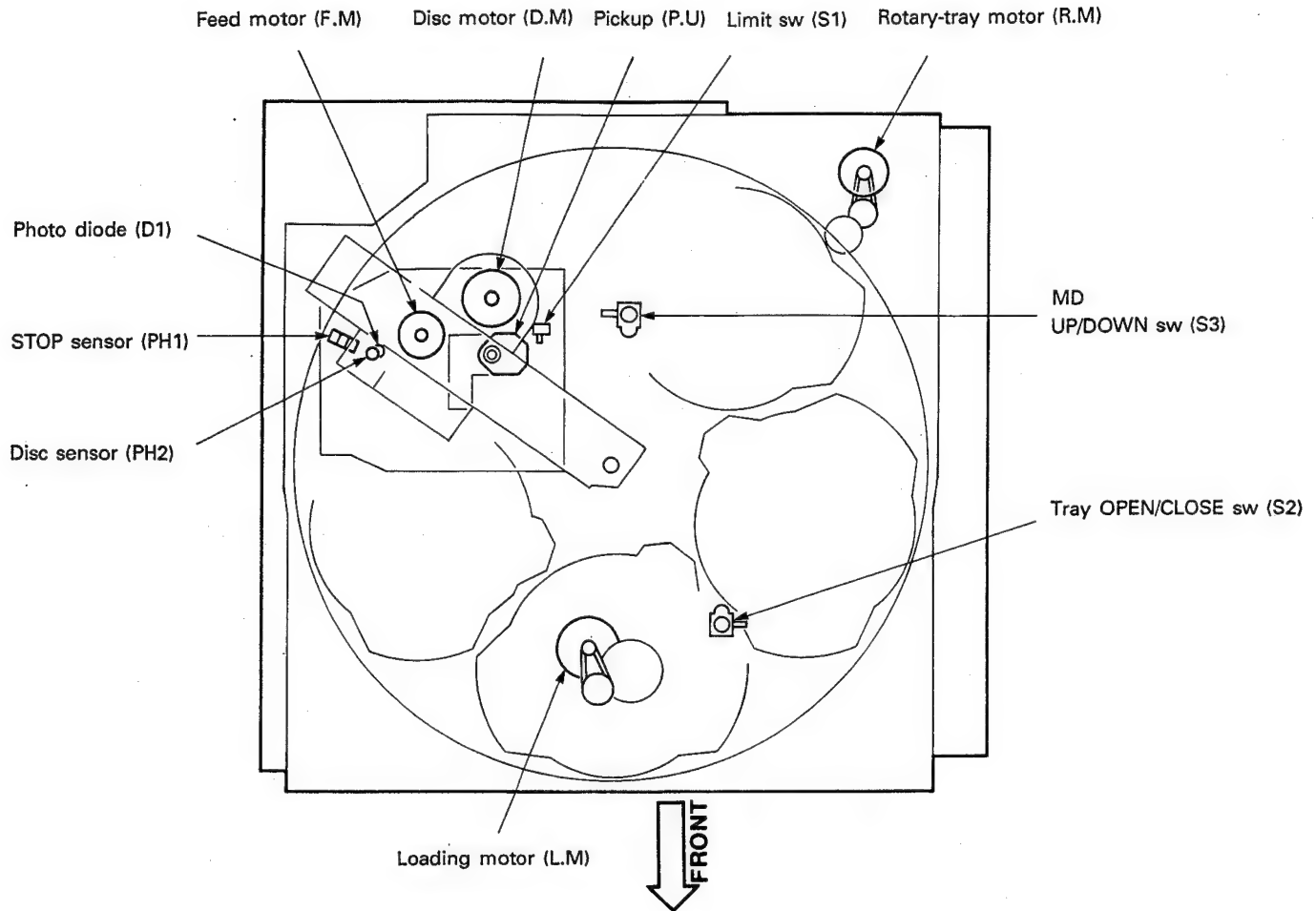


Fig. 1

1. Disc Detection

If rotary-tray motor (RM) is turning clockwise, the tray rotary turns same direction. Confirm check of disc presence and disc number by photo transistor (PH2). Stop position is detected by photo interrupter (PH1).

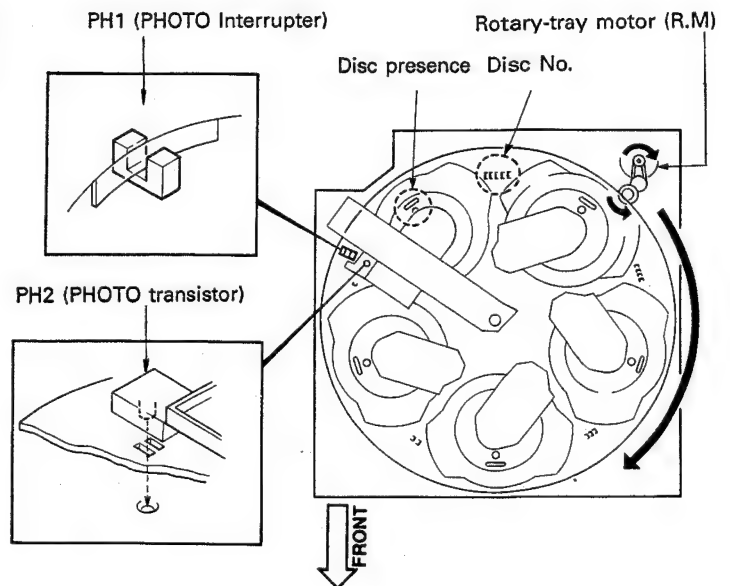


Fig. 2

MECHANISM OPERATION DESCRIPTION

2. Open and Close Operation

If tray loading motor (LM,M4) turns counterclockwise, the slide gear moves frontwards with lock lever fixed the rear of the tray. And then tray open/close switch (S2) is set to open mode.

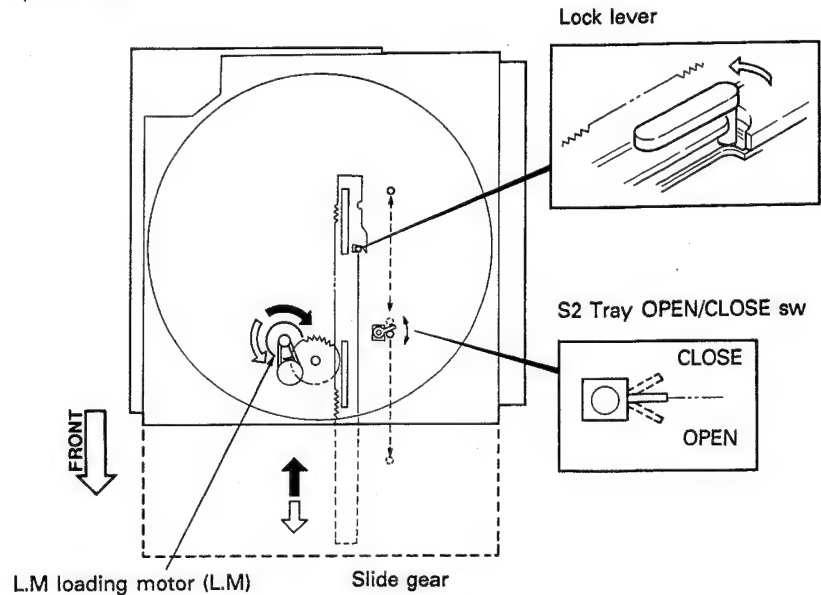


Fig. 3

If tray loading motor turns clockwise, the tray moves backwards on the way with the lock lever but slider gear goes on backwards and engages for mechanism up/down gear. Slide gear moves and the loading motor (S3) until pickup mechanism is at fully up or down position.

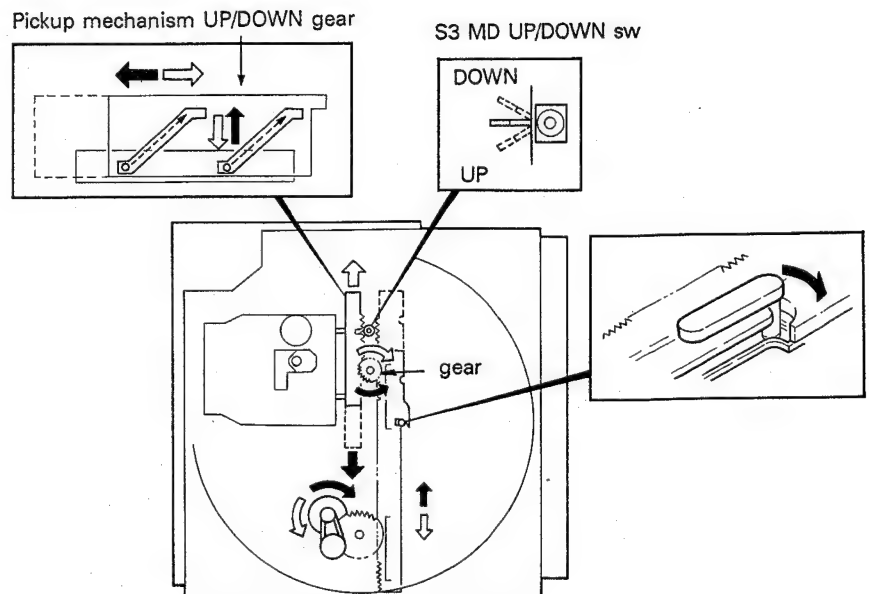


Fig. 4

ADJUSTMENT

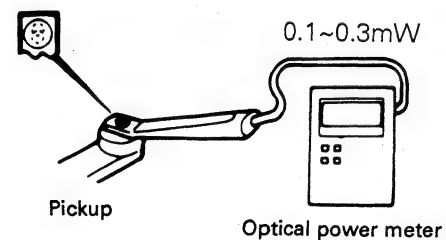
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG
1	LASER POWER	—	Apply the sensor section of the optical power meter on the pickup lens.	Short-circuit pins TEST and turn the power on to enter the test mode. Press the MANUAL S. key (M) to move the pickup outwards. Press the CHECK key to check that the LD emits light. Then, confirm that the display is "05".	—	On the power from 0.1 to 0.3mW, when the diffraction grating is correctly aligned with the RF level of 1.0Vp-p or more and the TE (servo open) level of 1.5Vp-p or more, the pickup is acceptable.	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN9-1) CH2: TE (CN9-6)	Turn power switch off and set the unit to test mode again. Press the M key to open the tray. Load a test disc and press the M key. Then press the CHECK key. Confirm that the display is "05".	VR2	Symmetry between upper and lower or $DC=0\pm0.05V$	(b)
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF (CN9-1) CH2: TE (CN9-6)	Press the PLAY key. Confirm that the display is "05".	VR1	Optimum eye pattern	(c)
4	FOCUS GAIN	Test disc Type 4 Apply signal of 1.0kHz, 0.1Vrms to CN9 pin 2-3.	Connect a LPF to CN9 pin 2-3 to which connect an oscilloscope or two AC voltmeters.	Press the PLAY key. Confirm that the display is "05".	VR3	Two VTVMs should read the same value.	(d)
5	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 0.1Vrms to CN9 pin 5-6.	Connect an LPF to CN9 pin 5-6 to which connect an oscilloscope or two AC voltmeters.	Press the PLAY key. Confirm that the display is "05".	VR4	Two VTVMs should read the same value.	(d)

(Note) Type 4 disc: SONY YEDS-18 Test Disc or equivalent.

LPF: Around $47k\Omega + 390pF$ or so.

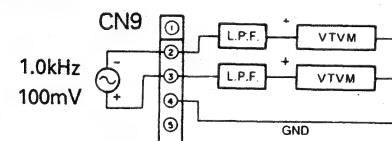
Steps 1~5 are in Test Mode.

(a) Laser Power

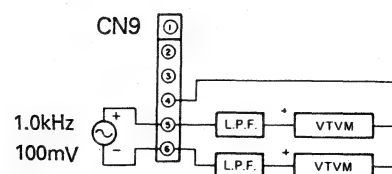


(d) Focus Gain and Tracking Gain Adj.

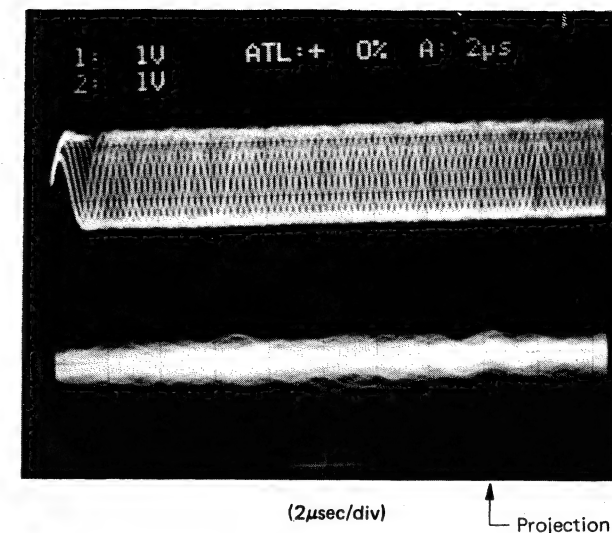
Focus gain Adj.



Tracking gain Adj.



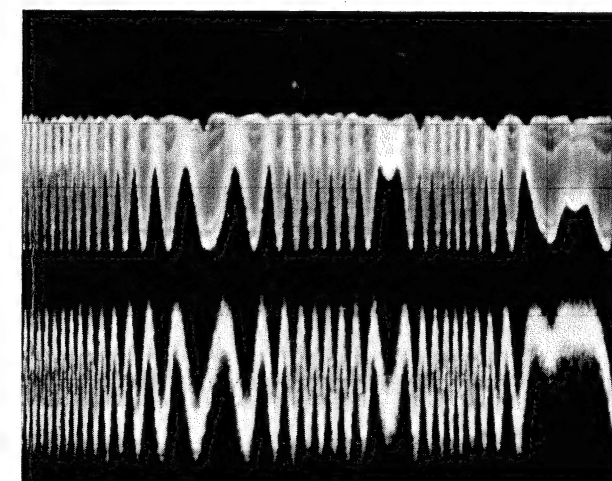
ADJUSTMENT



CH1 RF
1.0V/div

CH2 E.Spot
0.1V/div
AC coupling for
CH2 only

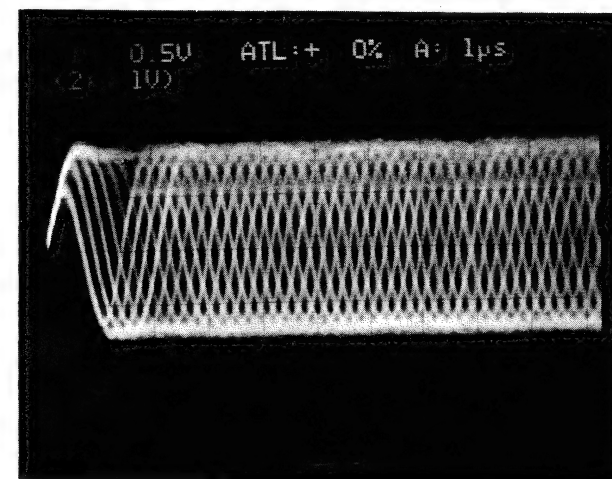
- RF signal and E.Spot signal in test mode (PLAY).
- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of approx. 18μs after RF signal, in the form of a projection.



CH1 RF
1.0V/div

CH2 T.Error
2.0V/div

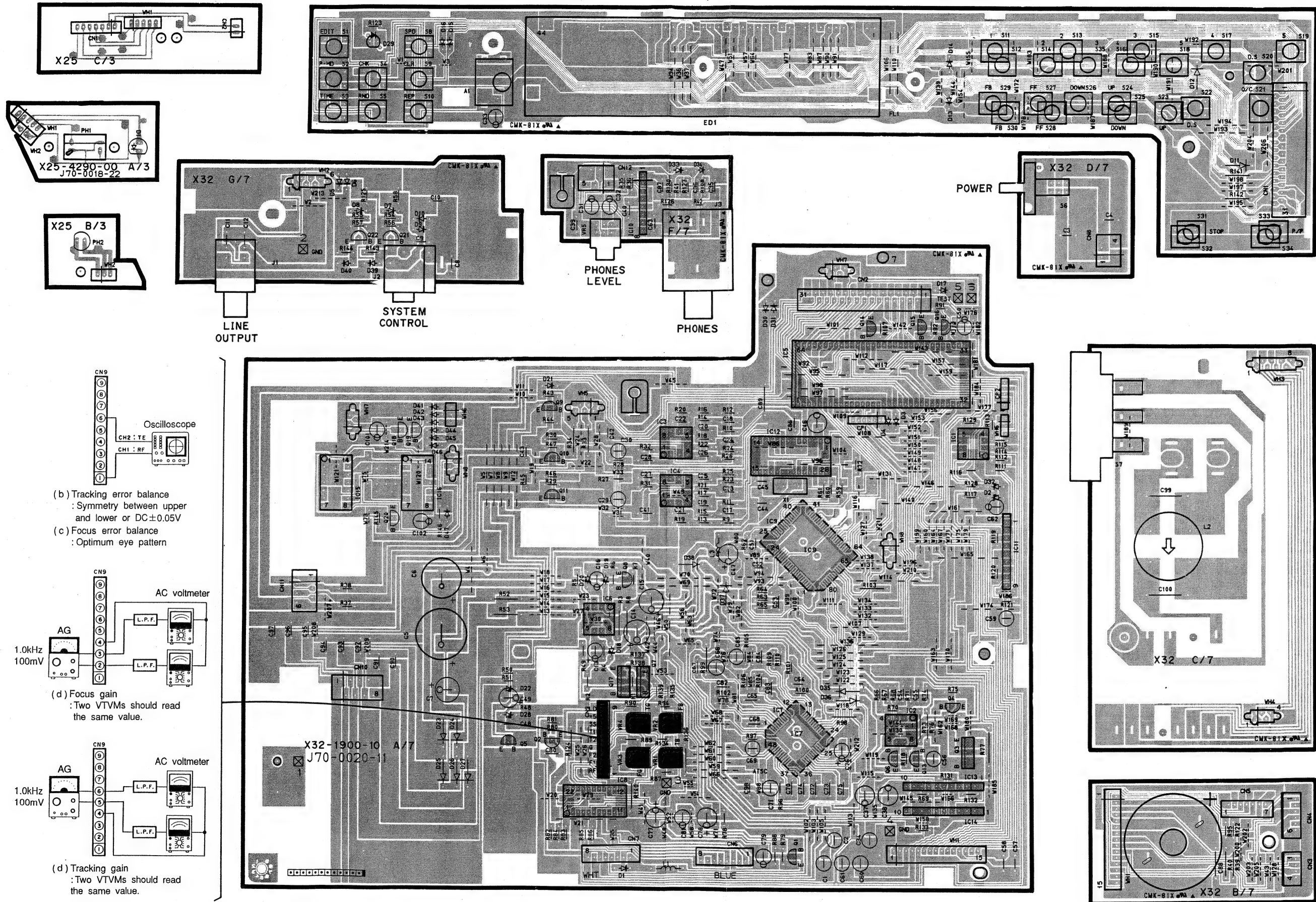
- RF signal and T.Error signal; in test mode (Focusing ON). (Disc type 4)
- Adjust T.Error so that the waveform is symmetrical above and below 0V. (VR2)



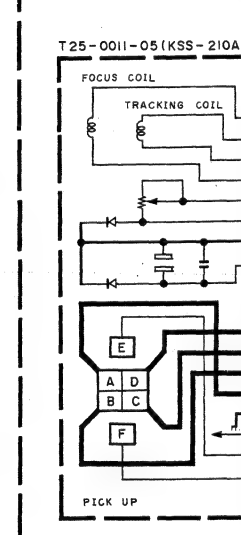
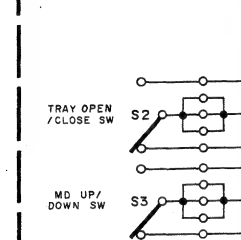
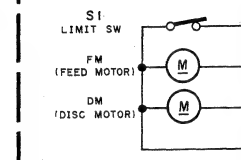
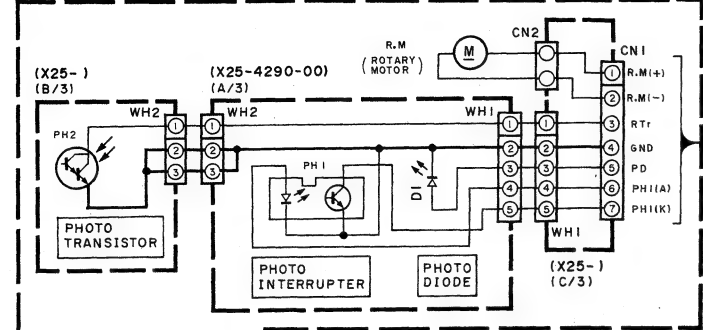
RF signal
0.5V/div

- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset adjustments so that each of the center cross points are focused into one point on the display. The crossing points above and below the center shall also be displayed clearly.

PC BOARD (COMPONENT SIDE VIEW)



MECHA. ASS'Y(CDM-20)
(X92-1610-10)



- IC1 ~ 4 : RC4565D or NJM4565D
- IC5 : μPD75216ACW-B99
- IC6 : NJM4558D
- IC7 : CXA1372Q
- IC8 : CXA1571S
- IC9 : CXD2500AQ
- IC10 : NJM4565L
- IC11 : TA8409S
- IC12 : TC9237N
- IC13 : LA6510
- IC14 : TA8410AK or LA6510

2SA1534A
2SA954
2SC1923
2SC2878

2SD1266

2SA1426

DTC124ES
2SC1740S

2SD1944

UN4212
2SC3311A

NJM4558D

NJM4565D

TA8409S

RC4565D

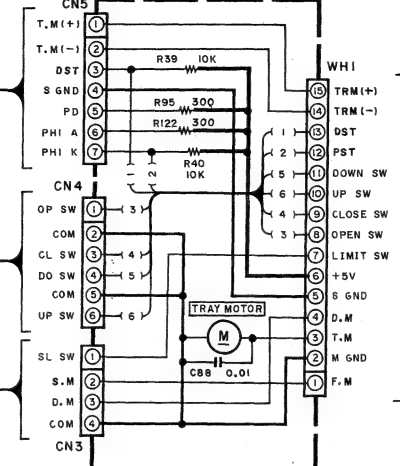
LA6510
TA8410AK

CXA1571S

CXD2500AQ

CXA1372Q

(X32-1) (B/7)



DP-R4440

DESTINATION	UNIT NAME	F7	R33,34	R123	C33	D29	W176	W182	A1
COUNTRY ABB.									
U.S.A.	K								
CANADA	P								

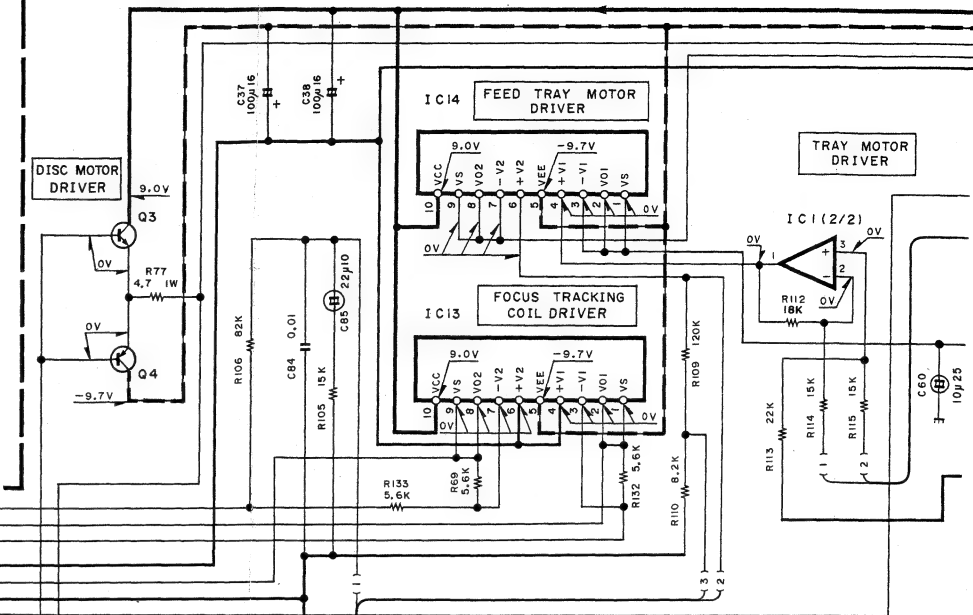
DP-R892

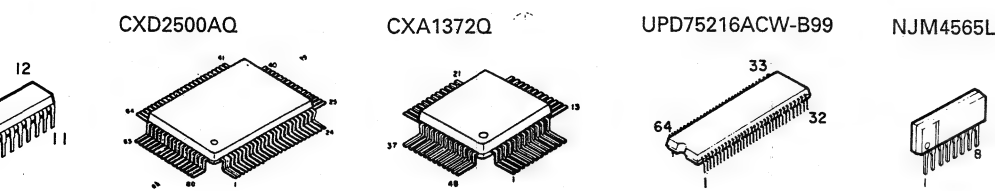
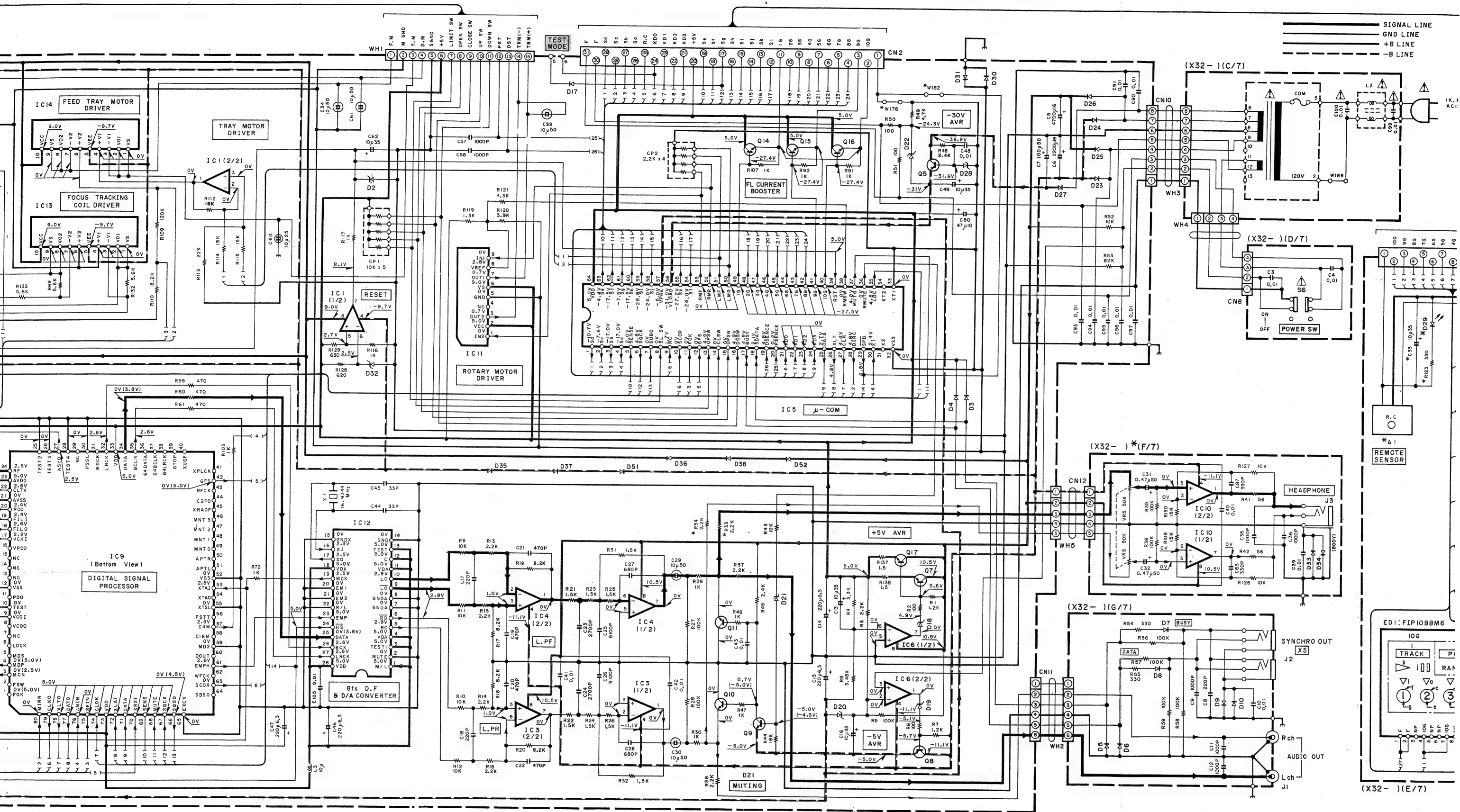
DESTINATION	UNIT NAME	F7	R33,34	R123	C33	D29	W176	W182	A1
COUNTRY ABB.									
U.S.A.	K								
CANADA	P								

DP-R792

DESTINATION	UNIT NAME	F7	R33,34	R123	C33	D29	W176	W182	A1
COUNTRY ABB.									
U.S.A.	K								
CANADA	P								

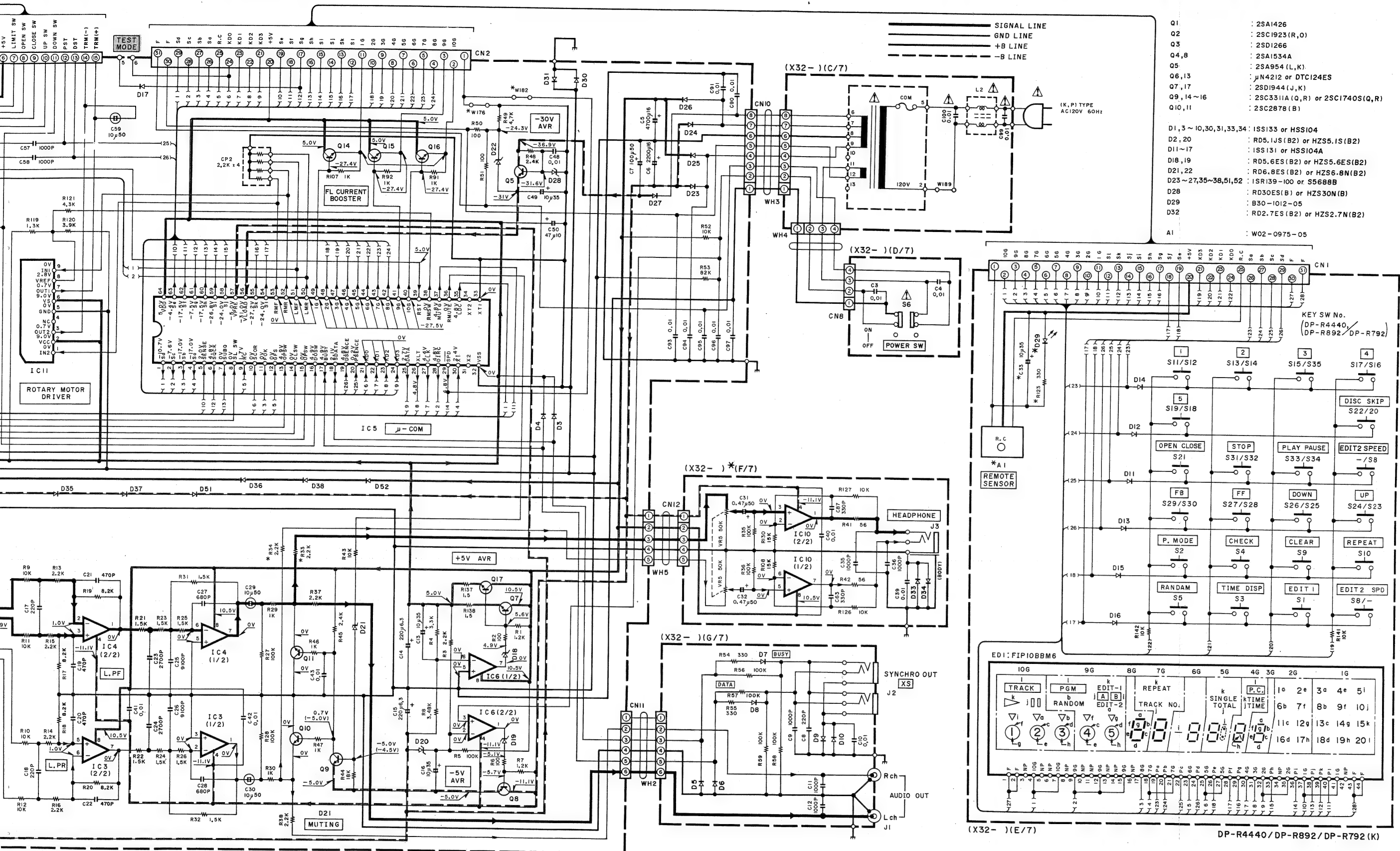
(X32-1900-10) (A/7)





• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



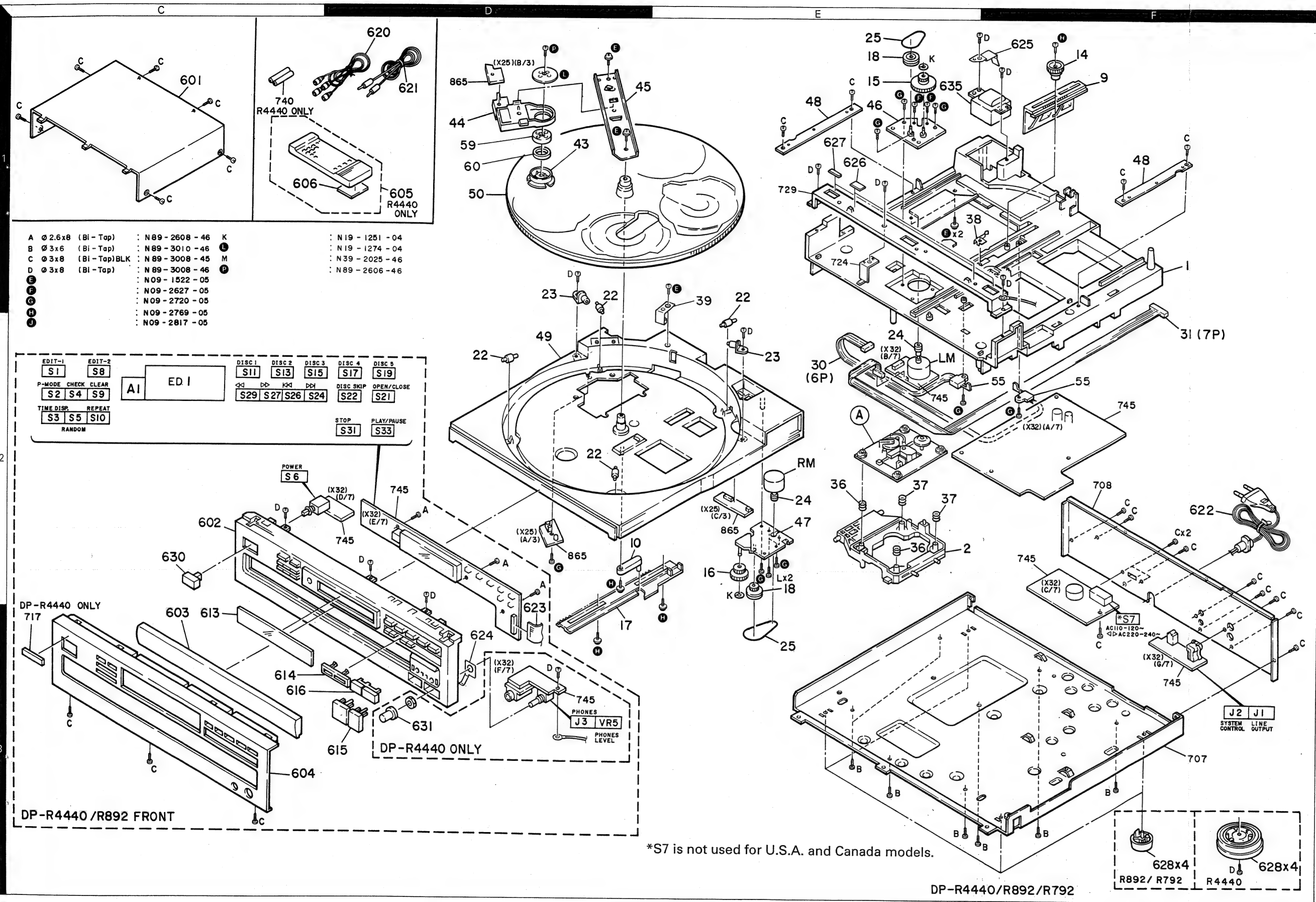
M4565L

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Y22-2840-10

DP-R792/R892/R4440
KENWOOD



1

Ref. No.	Address	Parts No.	Description	Destination
601		H10-5144-02	POLYSTYRENE FOAMED FIXTURE	
603		H10-5145-02	POLYSTYRENE FOAMED FIXTURE	
604		H11-0039-04	POLYSTYRENE FOAMED BOARD	
613		H12-2339-04	PROTECTION SHEET	

2

Ref. No.	Address	Parts No.	Description	Destination
601		A01-1912-01	METALLIC CABINET	
603		A29-0307-02	PANEL ASSY (TRAY)	
604		A60-0177-02	PANEL ASSY	
613		R03-2688-03	DRIVING PI STR	

PARTS LIST



26

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

1

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕向備考
DP-R792				
601	1C	A01-1912-01	METALLIC CABINET	
603	1A	A29-0307-02	PANEL ASSY (TRAY)	
604	1A	A60-0177-02	PANEL ASSY	
613	1A	B03-2688-03	DRESSING PLATE	K
615	2B	B07-1980-04	ESCUTCHEON	P
-	-	B46-0092-13	WARRANTY CARD	K
-	-	B46-0121-13	QUESTIONNAIRE CARD	
-	-	B46-0197-00	WARRANTY CARD	
-	-	B60-0744-00	INSTRUCTION MANUAL (ENGLISH)	
-	-	B60-0745-00	INSTRUCTION MANUAL (FRENCH)	
620	1D	B30-0505-05	AUDIO CORD	
621	1D	E30-1392-05	CORD WITH PLUG	
622	2F	E30-2689-05	AC POWER CORD	
623	1B	E35-0341-05	WIRING HARNESS	
625	1E	G02-0991-04	FLAT SPRING	
626	1E	G11-2066-04	CUSHION	
627	1E	G11-2074-04	CUSHION	
-	-	H10-5086-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H11-0587-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H11-0039-04	POLYSTYRENE FOAMED BOARD	
-	-	H12-2109-04	PACKING FIXTURE	
-	-	H21-0287-04	PROTECTION SHEET	
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)	
-	-	H25-0368-04	PROTECTION BAG	
-	-	H50-0235-04	ITEM CARTON CASE	
628	3F	J02-0366-15	FOOT	
630	1A	K29-4140-04	KNOB	
635	1E	L07-0238-15	POWER TRANSFORMER	
DP-R892				
601	1C	A01-1926-01	METALLIC CABINET	
602	2C	A22-1465-01	SUB PANEL	
603	3C	A29-0184-02	PANEL (TRAY)	
604	3C	A60-0176-02	PANEL	
613	3C	B03-2687-04	DRESSING PLATE	
614	3C	B07-1976-03	ESCUTCHEON	
615	3D	B07-1977-04	ESCUTCHEON	
616	3D	B07-1978-03	ESCUTCHEON	
-	-	B46-0092-13	WARRANTY CARD	K
-	-	B46-0121-13	QUESTIONNAIRE CARD	
-	-	B46-0197-00	WARRANTY CARD	P
-	-	B60-0744-00	INSTRUCTION MANUAL (ENGLISH)	
-	-	B60-0745-00	INSTRUCTION MANUAL (FRENCH)	
620	1D	B30-0505-05	AUDIO CORD	
621	1D	E30-1392-05	CORD WITH PLUG	
622	2F	E30-2689-05	AC POWER CORD	
623	3D	E35-0341-05	WIRING HARNESS	
625	1E	G02-0991-04	FLAT SPRING	
626	1E	G11-2074-04	CUSHION	

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Ref. No. 参照番号	Address 位置	New Parts 部品番号	Description 部品名 / 規格	Desti- nation 仕向備考
-	-	H10-5144-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H10-5145-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H11-0039-04	POLYSTYRENE FOAMED BOARD	
-	-	H12-2109-04	PACKING FIXTURE	
-	-	H21-0287-04	PROTECTION SHEET	
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)	
-	-	H25-0319-04	PROTECTION BAG	
-	-	H50-0234-04	ITEM CARTON CASE	
628	3F	J02-0366-15	FOOT	
630	2C	K27-2004-04	KNOB (BUTTON)	
635	1E	L07-0238-15	POWER TRANSFORMER	
DP-R440				
601	1C	A01-1909-01	METALLIC CABINET	
602	2C	A22-1465-01	SUB PANEL	
603	3C	A29-0184-02	PANEL (TRAY)	
604	3C	A60-0175-02	PANEL	
605	1D	A70-0508-05	REMOTE CONTROLLER ASSY	
606	1C	A09-0114-08	BATTERY COVER	
613	3C	B03-2686-04	DRESSING PLATE	
614	3C	B07-1976-03	ESCUTCHEON	
615	3D	B07-1977-04	ESCUTCHEON	
616	3D	B07-1978-03	ESCUTCHEON	K
-	-	B46-0092-13	WARRANTY CARD	
-	-	B46-0121-13	QUESTIONNAIRE CARD	P
-	-	B46-0197-00	WARRANTY CARD	P
-	-	B60-0741-00	INSTRUCTION MANUAL	
-	-	B60-0742-00	INSTRUCTION MANUAL	P
620	1D	E30-0505-05	AUDIO CORD	
621	1D	E30-1392-05	CORD WITH PLUG	
622	2F	E30-2689-05	AC POWER CORD	
623	3D	E35-0341-05	WIRING HARNESS	
624	3D	G02-0990-04	FLAT SPRING	
625	1E	G02-0991-04	FLAT SPRING	
627	1E	G11-2074-04	CUSHION	
-	-	H10-5084-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H10-5085-02	POLYSTYRENE FOAMED FIXTURE	
-	-	H11-0040-04	POLYSTYRENE FOAMED BOARD	
-	-	H12-2108-04	PACKING FIXTURE	
-	-	H21-0287-04	PROTECTION SHEET	
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)	
-	-	H25-0319-04	PROTECTION BAG	
-	-	H50-0233-04	ITEM CARTON CASE	
628	3F	J02-1034-05	FOOT	
630	2C	K27-2004-04	KNOB (BUTTON)	
631	3D	K29-3632-04	KNOB	
635	1E	L07-0238-15	POWER TRANSFORMER	
MECHANISM PCB (X25-4290-10)				
PH1		T95-0121-05	OPTO ISOLATOR	

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PARTS LIST

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6

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
Q9		2SC3311A(Q,R)	TRANSISTOR	
Q10, 11		2SC2878(B)	TRANSISTOR	
Q13		UN4212	DIGITAL TRANSISTOR	
Q14 -16		2SC1740S(Q,R)	TRANSISTOR	
Q14 -16		2SC3311A(Q,R)	TRANSISTOR	
Q17		2SD1944(J,K)	TRANSISTOR	
A1	2C	W02-0975-05	ELECTRIC CIRCUIT MODULE	4440
MECHANISM (X92-1610-10)				
1	1F	A10-2804-11	CHASSIS	
2		A15-0071-08	FRAME	
8	3A	D10-2325-04	ROD	
9	1F	D10-3111-03	SLIDER	
10	2D	D10-3112-04	ARM	
11	3B	D13-0879-08	GEAR(MOTOR)	
12	3B	D13-0880-18	GEAR(IDLER)	
13	3B	D13-0881-08	GEAR (FEED)	
14	1F	D13-0905-04	GEAR (IDLER)	
15	1E	D13-0906-04	GEAR (MAIN)	
16	2E	D13-0907-04	GEAR (ROTARY)	
17	3D	D13-0908-03	LACK (GEAR)	
18	1E, 2E	D13-0928-04	GEAR	
22	2D	D14-0327-05	ROLLER ASSY	
23	1D, 2E	D14-0330-05	ROLLER ASSY	
24	2E	D15-0296-04	MOTOR PULLEY	
25	1E, 3E	D16-0282-04	BELT	
30	2E	E31-7919-05	WIRING HARNESS(6P) (SWITCH)	
31	2F	E31-7920-05	WIRING HARNESS(8P) (WHITE/RED)	
32	3B	E31-7921-05	WIRING HARNESS(PU, WHITE/BULE)	
33	2B	E31-7922-05	WIRING HARNESS(PU, WHITE/RED)	
36	2E	G01-3321-18	COMPRESSION SPRING	
37	2E	G01-3322-18	COMPRESSION SPRING	
38	1E	G02-0927-04	FLAT SPRING	
39	1E	J19-3437-04	BRACKET	
42	3A, 3B	J02-1058-15	INSULATOR	
43	1D	J11-0173-23	CLAMPER	
44	1D	J19-3351-03	HOLDER	
45	1D	J19-3352-13	BRACKET	
46	1E	J21-5673-04	MOUNTING HARDWARE ASSY	
47	2E	J21-5675-04	MOUNTING HARDWARE ASSY	
48	1E, 1F	J90-0667-04	RAIL	
49	2D	J99-0095-11	TRAY(SLIDE)	
50	1D	J99-0096-01	TRAY(ROTARY)	
54	3A	S33-1022-05	LEVER SWITCH	
55	2F	S33-2061-05	LEVER SWITCH	
59	1D	T50-1036-14	Yoke	
60	1D	T99-0222-05	MAGNET	
DM	3B	A11-0679-18	SUB CHASSIS ASSY(DISC MOTOR)	
PM	3A	T42-0586-05	DC MOTOR	
LM	2E	T42-0524-05	DC MOTOR	
PU	2A	T25-0011-05	OPTICAL PICKUP HEAD	
RM	2E	T42-0577-05	DC MOTOR	

792 : DP-R792 892 : DP-R892 4440 : DP-R4440
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5

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
S33	2D	S40-1064-05	PUSH SWITCH(P,P)	892, 4440
S34	2B	S40-1064-05	PUSH SWITCH(P,P)	792
S35	2B	S40-1064-05	PUSH SWITCH(3)	792
D1		HSS104	DIODE	
D1		1SS133	DIODE	
D2		HZS5-1S(B2)	ZENER DIODE	
D2		RDS-1JS(B2)	ZENER DIODE	
D3 -10		HSS104	DIODE	
D3 -10		1SS133	DIODE	
D11 -17		HSS104A	DIODE	
D11 -17		1SS131	DIODE	
D18, 19		HZS5-6N(B2)	ZENER DIODE	
D18, 19		RDS-6ES(B2)	ZENER DIODE	
D20		HZS5-1S(B2)	ZENER DIODE	
D20		RDS-1JS(B2)	ZENER DIODE	
D21 -22		HZS6-8N(B2)	ZENER DIODE	
D21 -22		RDS-8ES(B2)	ZENER DIODE	
D23 -27		S5688B	DIODE	
D23 -27		1SR139-100	DIODE	
D28		HZS30N(B)	ZENER DIODE	
D28		RDS0ES(B)	ZENER DIODE	
D29		B30-1012-05	DIODE	
D30, 31		HSS104	DIODE	
D30, 31		1SS133	DIODE	
D32		HZS2-7N(B2)	ZENER DIODE	
D32		RDS-7ES(B2)	ZENER DIODE	
D33, 34		HSS104	DIODE	
D33, 34		1SS133	DIODE	
D35 -38		S5688B	DIODE	
D35 -38		1SR139-100	DIODE	
ED1	2A, 2C	FIP10BBM6	FLUORESCENT INDICATOR TUBE	
IC1 -4		NJM4565D	IC(OP AMP X2)	
IC1 -4		RC4565D	IC(OP AMP X2)	
IC5		UPD75216ACW-B99	IC(MICROPROCESSOR)	
IC6		NJM4558D	IC(OP AMP X2)	
IC7		CKA1372Q	IC(CD RF SERVØ)	
IC8		CKA1571S	IC(CD RF AMP)	
IC9		CXD2500AQ	IC(SIGNAL PROCESSOR)	
IC10		NJM4565L	IC(OP AMP X2)	
IC11		TA8409S	IC(MOTOR CONTROL)	
IC12		TC9237N	IC(D/A CONVERTER)	
IC13		LA6510	IC(DUAL POWER OP AMP)	
IC14		LA6510	IC(DUAL POWER OP AMP)	
IC14		TA8410AK	IC(Power OP AMP)	
Q1		2SA1426	TRANSISTOR	
Q2		2SC1923(R, Ø)	TRANSISTOR	
Q3		2SD1266	TRANSISTOR	
Q4		2SA1534A	TRANSISTOR	
Q5		2SA954(L, K)	TRANSISTOR	
Q6		TC124ES	DIGITAL TRANSISTOR	
Q6		UN4212	TRANSISTOR	
Q7		2SD1944(J, K)	TRANSISTOR	
Q8		2SA1534A	TRANSISTOR	
Q9		2SC1740S(Q, R)	TRANSISTOR	

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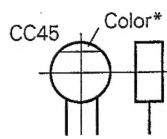
DP-R792/R892/R4440

PARTS LIST

CAPACITORS

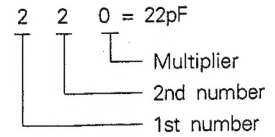
CC 45 TH 1H 220 J
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating
2 = Shape ... round, square, ect. 5 = Value
3 = Temp. coefficient 6 = Tolerance



Capacitor value

- 010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

Tolerance

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

Less than 10pF

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

DP-R792/R892/R4440

SPECIFICATIONS

[Format]

System Compact disc digital audio
Laser Semiconductor laser
Playing rotation 200~500 rpm (CLV)

[D/A convertors]

D/A conversion 1 bit
Oversampling 8 fs

[Audio]

Frequency response 4 Hz~20 kHz, ± 1.0 dB
Signal to noise ratio More than 94 dB
Dynamic range More than 92 dB
Total harmonic distortion Less than 0.005% at 1 kHz
Channel separation More than 90 dB at 1kHz
Wow & Flutter Unmeasurable limit
Output level / impedance 1.2 V / 3.3 k Ω
Headphone output : DP-R4440 20 mW (16 Ω)

[General]

Power consumption 15 W
Dimensions W : 440 mm (17-5/16")
: DP-R792 / DP-R892 H : 120 mm (4-3/4")
: DP-R4440 H : 128 mm (5-1/16")
: DP-R792 D : 395 mm (15-9/16")
: DP-R892 D : 391 mm (15-3/8")
: DP-R4440 D : 396 mm (15-9/16")
Weight (Net) : DP-R792 5.5 kg (12.1 lb)
: DP-R892 / DP-R4440 5.6 kg (12.3 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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